

USSN: 10/081,904  
Amdt. dated 4 August 2004  
Reply to OA of 4 June 2004

RECEIVED  
CENTRAL FAX CENTER

AUG 04 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

USSN: 10/081,904  
Applicant: Yang et al  
Filed: 20 February 2002  
TC/AU: 1631  
Examiner: Mary K. Zeman  
Docket No: GP-001US  
Customer No: 41158

Confirmation No: 3952

OFFICIAL

Commissioner for Patents  
Washington DC 22313-1450

**RESTRICTION REQUIREMENT RESPONSE AND AMENDMENT**

Sir:

This paper is responsive to the Restriction Requirement and Request for Election dated 4 June 2004. The response is accompanied by power of attorney and a petition and fee for a one month extension of time to enable the response to be filed by 4 August 2004.

The Examiner has presented the following groups:

Group I	Claims 1-8	drawn to a computerized storage and retrieval system
Group II	Claim 9	drawn to a method for editing pathways
Group III	Claim 10	drawn to a method for annotating modes
Group IV	Claim 11	drawn to a method for analyzing pathways
Group V	Claim 12	drawn to a different method for analyzing pathways
Group VI	Claim 13	drawn to a method for searching for protein interactions
Group VII	Claim 14	drawn to a method for predicting homologous pathways
Group VIII	Claim 15	drawn to a method for predicting orthologous pathways.
Group IX	Claims 16-18	drawn to a method for predicting nodes and modes
Group X	Claims 19, 20	drawn to a method for predicting novel pathways
Group XI	Claim 21	drawn to a method of predicting protein function
Group XII	Claim 22	drawn to a different method for predicting novel pathways

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.